DOTOZT"6668260

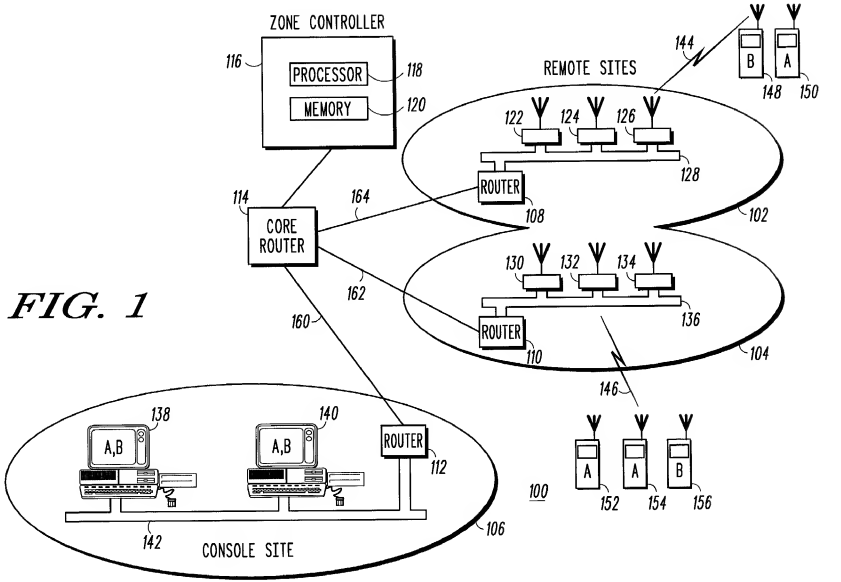


FIG. 1

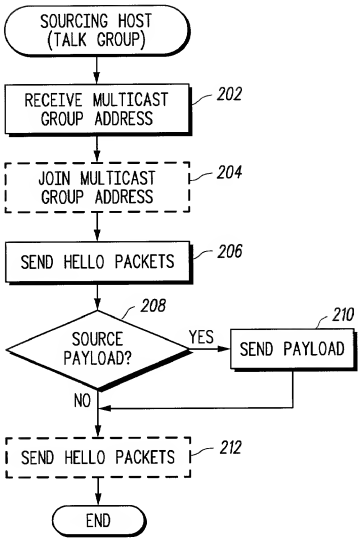

SOURCING HOST
(TALK GROUP)
RECEIVE MULTICAST
GROUP ADDRESS
202
JOIN MULTICAST
GROUP ADDRESS
204
SEND HELLO PACKETS
206
208
SOURCE
PAYLOAD?
YES
210
SEND PAYLOAD
NO
SEND HELLO PACKETS
212
END

FIG.2

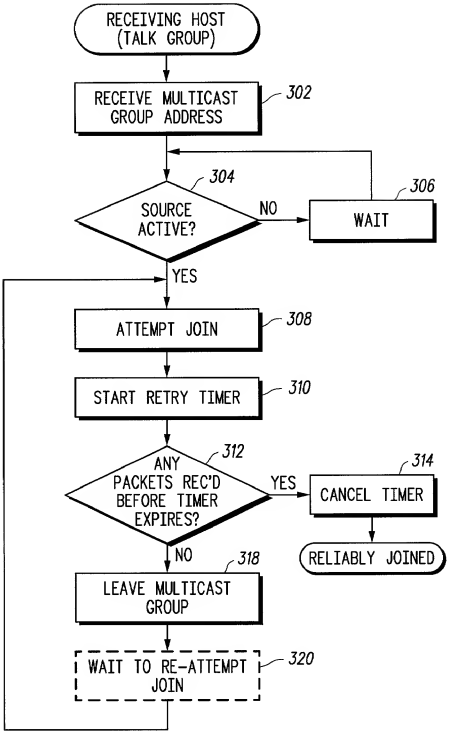

RECEIVING HOST (TALK GROUP)
RECEIVE MULTICAST GROUP ADDRESS
302
304
SOURCE ACTIVE?
NO
306
WAIT
YES
ATTEMPT JOIN
308
START RETRY TIMER
310
312
ANY PACKETS REC'D BEFORE TIMER EXPIRES?
YES
314
CANCEL TIMER
RELIABLY JOINED
NO
318
LEAVE MULTICAST GROUP
WAIT TO RE-ATTEMPT JOIN
320

FIG.3

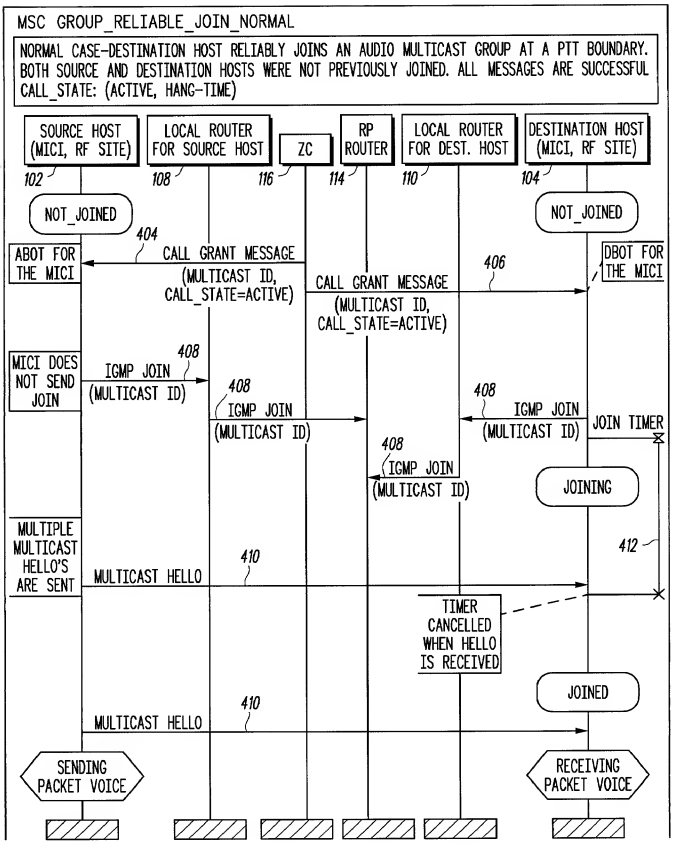
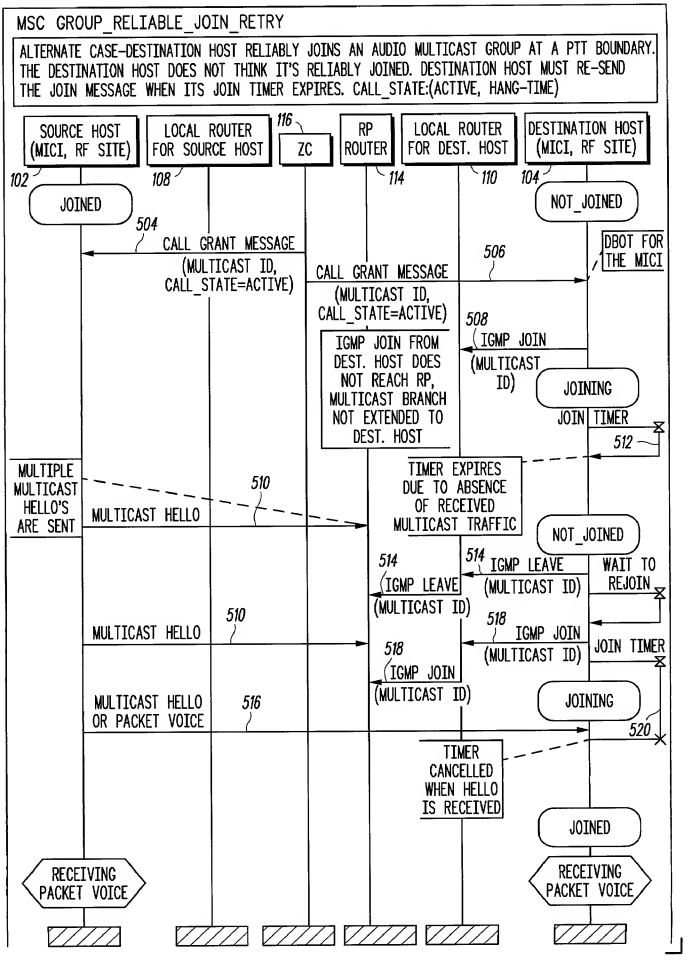


FIG.4 GROUP_RELIABLE_JOIN_NORMAL

FIG.5 GROUP_RELIABLE_JOIN_RETRY



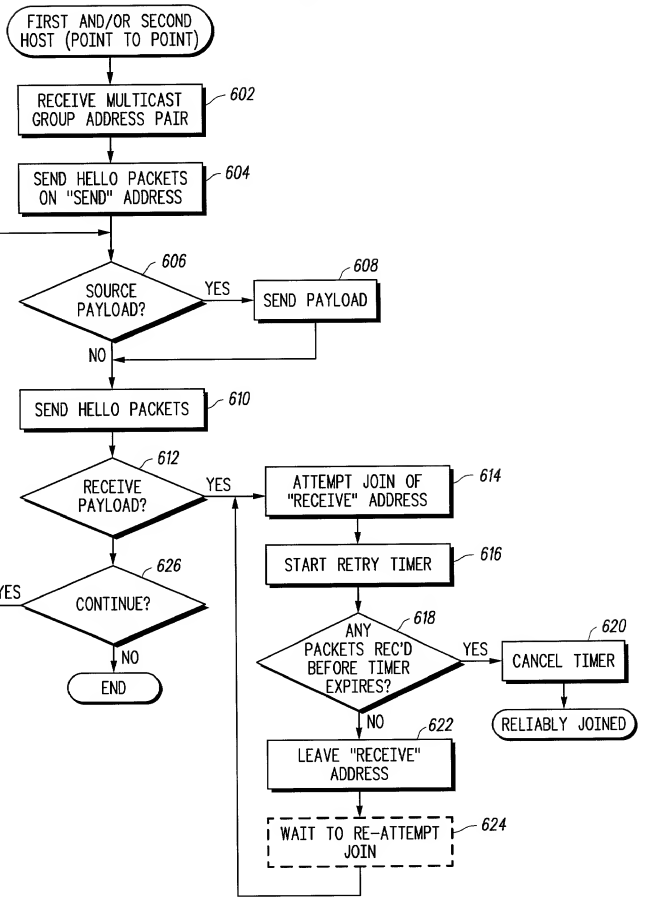

FIRST AND/OR SECOND HOST (POINT TO POINT)
RECEIVE MULTICAST GROUP ADDRESS PAIR
602
SEND HELLO PACKETS ON "SEND" ADDRESS
604
606
SOURCE PAYLOAD?
YES
608
SEND PAYLOAD
NO
SEND HELLO PACKETS
610
612
RECEIVE PAYLOAD?
YES
614
ATTEMPT JOIN OF "RECEIVE" ADDRESS
START RETRY TIMER
616
626
YES
CONTINUE?
NO
END
618
ANY PACKETS REC'D BEFORE TIMER EXPIRES?
YES
620
CANCEL TIMER
RELIABLY JOINED
NO
622
LEAVE "RECEIVE" ADDRESS
624
WAIT TO RE-ATTEMPT JOIN

FIG.6

FIG. 7 P2P_RELIABLE_JOIN_NORMAL_HDUPLEX_RF2RF

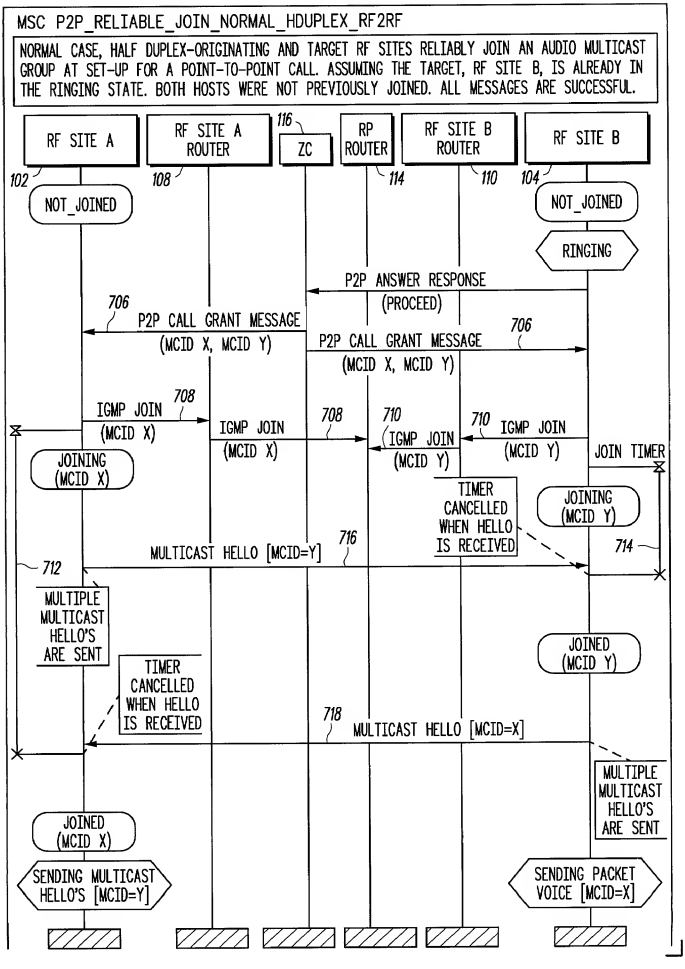
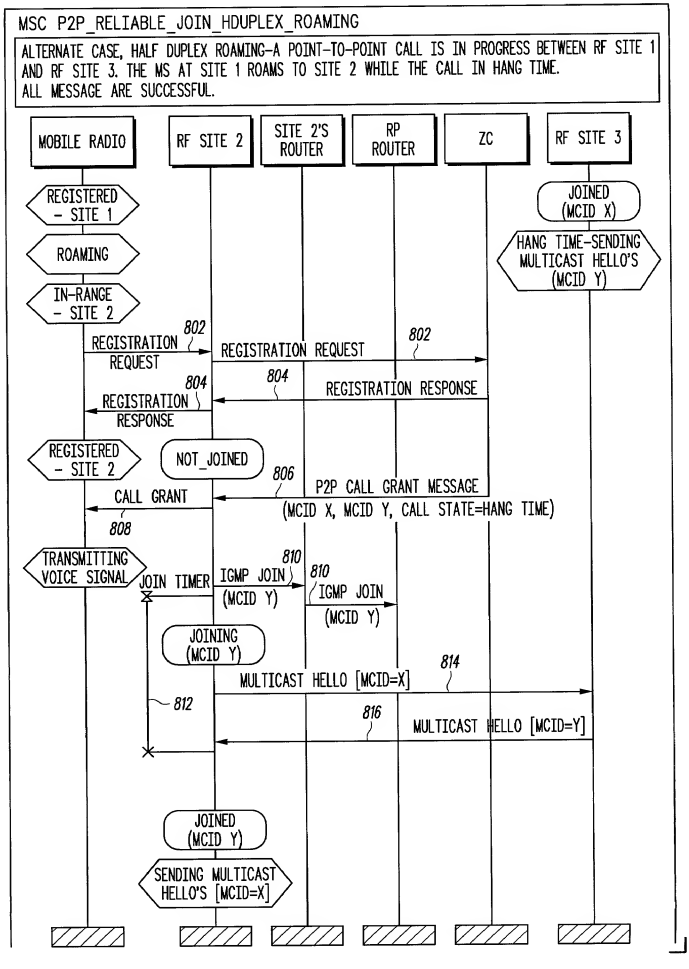



FIG.8 P2P_RELIABLE_JOIN_HDUPLEX_ROAMING